



PTO/SB/08A (08-03)

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Substitute for form 4710 PTO				Complete if Known	
				Application Number	10/622,582
				Filing Date	July 21, 2003
				First Named Inventor	LIVINGSTONE, James I.
				Art Unit	3672
				Examiner Name	Collins, Giovanna M.
Sheet	1	of	5	Attorney Docket Number	52502-15

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2 (if known)</sup>			
<i>John</i>		US-4,744,420	May 17 1988	Patterson et al.	
		US-6,213,201	April 10, 2001	Renkis	
		US-6,192,985	Feb. 27, 2001	Hinkel et al.	
		US-6,189,617	Feb. 20, 2001	Sorhus et al.	
		US-5,881,813	March 16, 1999	Brannon et al.	
		US-5,006,046	April 9, 1991	Buckman et al.	
		US-4,681,164	July 21, 1987	Stacks	
		US-4,671,359	June 9, 1987	Renfro	
		US-3,920,090	Nov. 18, 1975	McQueen et al.	
		US-4,463,814	Aug. 7, 1984	Horstmeyer et al.	
		US-5,411,105	May 2, 1995	Gray	
		US-5,178,223	Jan. 12, 1993	Smet	
		US-4,431,069	Feb. 14, 1984	Dickinson, III et al.	
		US-2002/0000332	Jan. 3, 2002	Merecka, et al.	
		US-6,394,197	May 28, 2002	Holte	
		US-4,219,087	Aug. 26, 1980	Johnson	
		US-4,790,391	Dec. 13, 1988	Hamamura et al.	
		US-4,243,252	Jan. 6, 1981	Johnson	
<i>Giovanna</i>		US-4,534,426	Aug. 13, 1985	Hooper	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
<i>John</i>		WO 97/35093	09-25-1997	Misselbrook et al.	
		EP 0787886	05-02-1997	Anadrill International SA	
		WO 02/10549	02-07-2002	Weatherford/Lamb Inc.	
		WO 01/90528	11-29-2001	Gardes	
		FR 2597150	04-11-1986	Bonafice et al.	

Examiner Signature	<i>John</i>	Date Considered	<i>3/4/05</i>
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/622,582
				Filing Date	July 21, 2003
				First Named Inventor	Livingstone, James I.
				Art Unit	3672
				Examiner Name	Collins, Giovanna M.
Sheet	2	of	5	Attorney Docket Number	52502-15

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		Number-Kind Code <sup>2 (if known)</sup>			
<i>Pone</i>		US-6,325,159	Dec. 4, 2001	Peterman, et al.	
		US-5,020,611	June 4, 1991	Morgan et al.	
		US-3,075,589	Jan. 29, 1963	D.B. Grable et al.	
		US-3,795,283	March 5, 1974	Oughton	
		US-5,435,395	July 25, 1995	Connell	
		US-5,348,097	Sept. 20, 1994	Giannesini et al.	
		US-5,638,904	June 17, 1997	Misselbrook et al.	
		US-5,236,036	Aug. 17, 1993	Ungemach et al.	
		US-6,015,015	Jan. 18, 2000	Luft et al.	
		US-5,033,545	July 23, 1991	Sudol	
		US-5,068,842	Nov. 26, 1991	Naito	
		US-5,285,204	Feb. 8, 1994	Sas-Jaworsky	
		US-5,513,528	May 7, 1996	Holenka et al.	
		US-4,100,528	July 11, 1978	Bernard et al.	
		US-3,792,429	Feb. 12, 1974	Patton et al.	
		US-5,892,460	April 6, 1999	Jerabek et al.	
		US-3,770,006	Nov. 6, 1973	Sexton et al.	
<i>Pone</i>		US-6,047,784	April 11, 2000	Dorel	

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<i>Pone</i>		WO 00/57019	09-28-2000	Mocivnik et al.	
		EP 1 245 783	02-10-2002	Anadrill International SA	
		CA 1,325,969	10-28-1987	Sudol	
		WO 97/05361	02-13-1997	Misselbrook et al.	
<i>Pone</i>		GB 2368079	10-18-2000	Pia	

Examiner Signature	<i>Moneell</i>	Date Considered	<i>3/4/05</i>
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/622,582
				Filing Date	July 21, 2003
				First Named Inventor	LIVINGSTONE, James I.
				Art Unit	3672
				Examiner Name	Collins, Giovanna M.
Sheet <b>3</b>	of <b>5</b>	Attorney Docket Number	<b>52502-15</b>		

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.'	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2 (if known)</sup>			
<i>J. McCall</i>		US-6,405,809	June 18, 2002	Patel et al.	
		US-6,377,050	April 23, 2002	Chemali et al.	
		US-6,359,438	March 19, 2002	Biltar	
		US-6,196,336	March 6, 2001	Fincher et al.	
		US-5,398,966	March 14, 1995	Roos, Jr. et al.	
		US-5,411,105	May 2, 1995	Gray	
		US-6,209,663	April 3, 2001	Hosie	
		US-5,720,356	Feb. 24, 1998	Gardes	
		US-6,065,550	May 23, 2000	Gardes	
		US-6,209,665	April 3, 2001	Holte	
		US-4,709,768	Dec. 1, 1987	Kostylev et al.	
		US-4,705,119	Nov. 10, 1987	Kostylev et al.	
		US-4,321,974	March 30, 1982	Klemm	
		US-4,509,606	April 9, 1985	Willis	
		US-4,055,224	Oct. 25, 1977	Wallers	
		US-6,481,501	Nov. 19, 2002	Chavez et al.	
		US-6,158,531	Dec. 12, 2000	Vail, III	
		US-6,250,383	June 26, 2001	Patel	
<i>J. McCall</i>		US-6,263,987	July 24, 2001	Vail, III	

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Examiner Signature	<i>J. McCall</i>	Date Considered	<i>3/5/05</i>
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				First Named Inventor	LIVINGSTONE, James I.
				Art Unit	3672
				Examiner Name	Collins, Giovanna M.
Sheet	4	of	5	Attorney Docket Number	52502-15

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.'	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,391,328	July 5, 1983	Aumann	
		US-5,575,451	Nov. 19, 1996	Colvin et al.	
		US-4,461,448	July 24, 1984	Huey et al.	
		US-4,832,126	May 23, 1989	Roche	
		US-2,609,836	Sept. 9, 1952	G.S. Knox	
		US-4,647,002	March 3, 1987	Crutchfield	
		US-2003/0141111	July 31, 2003	Pia	
		US-2003/0150621	August 14, 2003	Pia	
		US-5,890,540	April 6, 1999	Pia et al.	
		US-6,109,370	August 29, 2000	Gray	
		US-3,416,618	Dec. 17, 1968	Kunnenmann	
		US-4,718,503	Jan. 12, 1988	Stewart	
		US-4,739,844	April 26, 1988	Farris et al.	
		US-5,174,394	Dec. 29, 1992	Fischer et al.	
		US-5,199,515	April 6, 1993	Sinclair et al.	
		US-			

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					T <sup>6</sup>

Examiner Signature	<i>Y. McCall</i>	Date Considered	<i>3/4/05</i>
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Sheet	5	of	5
		Attorney Docket Number	52502-15

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ^	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T*
<i>Jre</i>		UNDERBALANCED DRILLING; NowSCO <i>not dated</i>	
<i>Jre</i>		NowSCO/Downhole Systems: "Test, Treat, Test System Using a Concentric Coiled Tubing/DST Package"; Hoyer, Fried & Sask <i>not dated</i>	
<i>Jre</i>		BlackMax Downhole Tools; An NOL Drilling Tools Inc. Company; Electro Magnetic Measurement While Drilling; Oil & Gas Application; EM=MWD <i>not dated</i>	
<i>Jre</i>		Logging While Drilling; <a href="http://www.odp.tamu.edu/publications/196_IR/chap_2/c2.htm">http://www.odp.tamu.edu/publications/196_IR/chap_2/c2.htm</a> <i>not dated</i>	
<i>Jre</i>		Drilling and Formation Evaluation; Baker Hughes; <a href="http://www.bakerhughes.com/bakerhughes/products/well.htm">www.bakerhughes.com/bakerhughes/products/well.htm</a> <i>not dated</i>	
<i>Jre</i>		On Trak MWD System; Baker Hughes; <a href="http://www.bakerhughes.com/inteq/evaluation/ontrak/index.htm">www.bakerhughes.com/inteq/evaluation/ontrak/index.htm</a> <i>(not dated)</i>	
<i>Jre</i>		PressTEQ Application Examples; Baker Hughes; <a href="http://www.bakerhughes.com/inteq/D&amp;P/pressure/index.htm">www.bakerhughes.com/inteq/D&amp;P/pressure/index.htm</a> <i>not dated</i>	
<i>Jre</i>		Thruster Drilling System; Baker Hughes; <a href="http://www.bakerhughes.com/inteq/Drilling/thruster/index.htm">www.bakerhughes.com/inteq/Drilling/thruster/index.htm</a> <i>not dated</i>	
<i>Jre</i>		Coiled Tubing; Baker Hughes; Baker Oil Tools Coiled Tubing Solutions; <a href="http://www.bakerhughes.com/bot/coiled_tubing/index.htm">www.bakerhughes.com/bot/coiled_tubing/index.htm</a> <i>not dated</i>	
<i>Jre</i>		COLT Coil Tubing Drilling Bottom Hole Assembly; Antech Special Engineering Products; Coiled Tubing Downhole Tools <i>(not dated)</i>	
<i>Jre</i>		US Patent Application 10/644749 filed on August 21, 2003 by James Livingstone	

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